

# LOG

SPRAGUE ELECTRIC COMPANY

EASTERN LOCATIONS



Our photographer caught Clarence Pratt in a familiar pose prior to his retirement. During the years he served as Maintenance Superintendent, Mr. Pratt saw the growth of the Company here in North Adams from one plant to four - and the corresponding growth in maintenance duties.

## Clarence Pratt Retires As Maintenance Head; To Be Succeeded by Everett Brown



Everett C. Brown

Clarence Pratt, Superintendent of Maintenance since 1932, retired on December 31 after 33 years of service with Sprague Electric. He joined the Company in July 1930 as an electrician in the Maintenance Department.

Everett C. Brown, a Maintenance employe since 1935, succeeds Mr. Pratt as Superintendent. He also was originally employed as an electrician and in 1941 was named a supervisor in the Electric Shop. He was promoted to foreman in August 1945.

Mr. Pratt is a native of North Adams and attended local schools. He also spent a year at Wentworth Institute in Boston and in addition completed an International Correspondence School Course in Electrical Engineering and an American Cor-

respondence School Course in Steam. Prior to joining Sprague Electric he was employed by General Electric, Pittsfield, and at the old Boyd Mill in Williamstown. As a young man he also worked for the Boston and Maine Railroad.

Mr. Pratt is married to the former Marcella Green of North Adams. They are presently making their home in Rowe, Massachusetts.

Mr. Brown is a native of North Adams and a graduate of Drury High School. Shortly after graduation he joined Sprague Electric and has been employed here continuously since that time. He is married to the former Doris Haley of North Adams and they have one son. They make their home on Frenier Drive in Williamstown.

Mr. Brown is a member of the Fraternal Order of Eagles, the Loyal Order of Moose, the Masons and the Chamber of Commerce. He is also active in church affairs and has served as a Committeeman with Troop 59 Boy Scouts in Williamstown.

## Union St. Employee Wins \$165 For His First Suggestion

The November and December Suggestion Committee meetings resulted in total awards of \$330.00 shared by five employes. Heading the list was Lawrence LeBeau of Pulse Transformer Assembly, Union Street, who received \$165.00 for his accepted idea. He suggested Hysol molds for certain units and a method of pouring resin on the mold for impregnation. This was Mr. LeBeau's first suggestion and helps to further emphasize the value of studying your job and suggesting improvements.

Second high award of \$65.00 went to Sterling Hewitt, of Brown Street, who suggested an improved method of inserting a chemical additive in the Sandia Department. Fifty dollars richer is Roy Cook, of FP Assembly,

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## Dr. Bernard Named To New Post As Associate Director, Engineering



Dr. Walter J. Bernard, former Technical Assistant to Dr. John L. Sprague, has been appointed to the new position of Associate Director of Engineering according to a recent announcement by Dr. Sprague. Dr. Bernard will have administrative and technical supervision over those Engineering Departments responsible for all types of electrolytic capacitors; paper and film capacitors; and analytical and metallurgical services.

Dr. Bernard is a native of Manchester, New Hampshire. He received a B.S. degree and an M.S. degree from the University of New Hampshire and in 1954 received his Ph.D. from Massachusetts Institute of Technology. He joined Sprague Electric in July of that year as a Research Chemist and was later named Section Head of the Electrolytic Capacitor Department. In January 1963 he was named Technical Assistant to Dr. Sprague. Dr. Bernard has been awarded six patents since joining the Company, four are U. S. Patents, one Canadian and one British.

During World War II he served with the U. S. Army Infantry. Dr. Bernard is a member of the Electrochemical Society, the American Chemical Society and Sigma Xi.

He is married to the former Claire LaFlamme of Manchester and they have four children.



Lawrence LeBeau (right), of Pulse Transformers, is the happy recipient of a check for \$165 for his suggestion for an improvement in his work area. Making the presentation is John Petri, Foreman in Pulse Transformers, who congratulated Mr. LeBeau for his achievement.

## Decreased Military Spending & Foreign Imports To Affect Business In Coming Year

For the electronics industry, 1963 was a good year in which our sales showed a gain of 11%, from \$13.8 billion in 1962 to \$15.3 billion. These impressive totals, however, fail to tell the whole story, for 1963 can best be characterized as a year of transition for our industry - transition from a period of steadily rising defense spending to a period of reduced spending; transition from a period of rising production in radio and television to one of stable or declining production in the face of growing imports from abroad; and, in the components segment, the beginnings of a gradual transition from the technology of assembled circuits to that of integrated circuits. As in any time of widespread change, the extent to which 1963 was satisfactory or unsatisfactory depends on one's point of view, varying as it has from one product to another. I cannot recall a time within recent memory when the future has been more difficult to forecast, and my own estimates which follow should be recognized as being subject to more than the usual uncertainty.

Procurement of electronics by the Federal Government again absorbed more than 60% of our industry's output, with total payments for goods and services increasing from \$8.3 billion in calendar 1962 to approximately \$9.4 billion last year. Most observers forecast a further increase in this figure to \$9.9 billion in the coming year, but after 1964 the picture is far less clear. The reason, of course, is the growing view within the administration and in Congress that some reductions in the level of defense spending are in the national interest, and can be undertaken without detriment to the nation's security.

It is important to distinguish, however, between the appropriations voted by Congress and the actual level of expenditures, which will increase in the current fiscal year to approximately \$51 billion, and are expected to peak in 1965 at about \$52 billion. The reason for this is



Robert C. Sprague

that for the previous two fiscal years, the rate of spending was some \$3.5 billion less than new obligations; it is reasonable to expect that some \$2 billion of this difference will be made up this year and next.

Despite a probable downtrend in total military and space spending over the next five years, it is likely that total dollars spent in the electronics industry by the Government will remain at least stable and more

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## D. Hatin Promoted; Seacord Transfers To Microelectronics



D. Hatin



J. Seacord

Donald T. Hatin has been appointed to the position of Department Head in Test Equipment according to a recent announcement by Richard C. Peterson, Manager of Instrument Operations.

Mr. Hatin replaces John M. Seacord who transferred to the Microelectronics Department as a Design Engineer. In his new position Mr. Seacord will report to Norton Cushman, Department Head of Microelectronics and will be assigned to the microelectronics circuit design and development area where his experience in circuit theory and design will be applied to this new field.

Mr. Hatin is a native of Glens Falls, New York and a graduate of the Milwaukee School of Engineering with a bachelor of science degree in electrical engineering. Following graduation in 1959 he joined Sprague Electric in Engineering at Beaver Street. In 1962 he transferred to

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### NOTICE

A new Credit Union withdrawal policy became effective January 1, 1964.

The first withdrawal check in any month will be issued free of charge. Additional withdrawal checks within the same month under \$25 will have a 50c service charge added.

It will be to your advantage to plan your withdrawals so as not to incur the service charge.

## William J. Nolan Honored At Reception . . .



Mr. and Mrs. Robert C. Sprague and Mr. and Mrs. Nolan greeted guests on their arrival at the reception. Here John D. Washburn shakes hands with Mr. Nolan as Mrs. Washburn converses with Mrs. Nolan. Guests gathered to honor Mr. Nolan for his many contributions to Sprague Electric.



Robert C. Sprague presented Mrs. Nolan a series of framed portraits of Mr. Nolan. The group also presented Mr. Nolan several appropriate gifts.

## SEEBF Donates Record Amount In '63

Continued active support by employees in the Sprague Electric Employees Benefit Fund enabled the Committee to increase contributions to several agencies during the past year. In addition a record number of employee-member families were given financial assistance. Heading the list, as in the past, were the United Community Fund campaigns. Donations totaling \$27,800.00 are listed below.

North Adams United Community Fund	\$17,850
(Stamford, Vt. Branch)	250
United Fund—Red Cross (Williamstown)	3,000
National Foundation for In-	

fantile Paralysis Fund, Inc.	1,000
Stamford, Vermont Heart Fund, Inc.	50
Adams, Mass. Cancer Fund, Inc.	150
North Adams Heart Fund, Inc.	350
North Adams Cancer Fund, Inc.	1,000
Williamstown Cancer Fund, Inc.	100
Stamford, Vermont Cancer Fund, Inc.	50
Adams, Mass. Red Cross, Inc.	200
Assistance to needy member families	3,800

## L. Rice & W. Rohane Issued Two Patents



L. Rice W. Rohane

Livingston Rice, Section Head, Engineering, and Walter Rohane, Beaver Street Superintendent, were joint inventors who received two patents according to a recent announcement by the U.S. Patent Office. Patent rights have been assigned to Sprague Electric.

The two patents are closely related; one being for a product, and the other for a method of making that product. The first patent involves a new type seal for high quality paper and film

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## Hatin and Seacord

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Test Equipment and in August 1963 was made a Section Head.

Prior to attending college Mr. Hatin served in the U. S. Navy for two years as a radioman. He is a member of the Institute of Electrical and Electronic Engineers and the American Association for the Advancement of Science.

Mr. Seacord is a native of Oconomowoc, Wisconsin and a graduate of the U. S. Naval Academy in 1954. He served in the Navy in the Atlantic and Mediterranean areas and in 1958-1959 did a year of graduate work at Rensselaer Polytechnic Institute.

In June 1959 Mr. Seacord joined Sprague Electric in Test Equipment. In August 1960 he was made a section head in that department and in 1961 was promoted to Department Head, the position which he held until his present transfer. Mr. Seacord is a member of the Institute of Electrical and Electronic Engineers.

## G. Latch Transferred To Upstate N. Y. Sales



George K. Latch, formerly a Product Specialist in Field Engineering, has been transferred to the Upstate New York Sales Office according to a recent announcement by Neal W. Welch, Senior Vice President, Sales. Mr. Latch will report to Roger W. Holmes, District Manager for Upstate New York Sales.

Prior to joining Sprague Electric Mr. Latch was associated with the middle Atlantic District Sales Office of AMP, Inc. in Baltimore, Maryland where he was in charge of sales of AMP components to the electrical and electronic industry. He was also a sales engineer with the Delco Products Division of General Motors Corporation at Dayton, Ohio.

Mr. Latch holds a B.S.E.E. degree from the University of Iowa, Iowa City, Iowa.

## R. F. Graf Publishes Two Technical Books

Rudolf F. Graf, Sales Engineer in the New York Sales Office, has recently published his third and fourth books. One is a revised edition of a former book entitled a "Modern Dictionary of Electronics" and is the most complete and up-to-date listing of electronic terms available anywhere.

A new book, "The Safe and Simple Book of Electricity" deals with scientific experiments for children.

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## New Vending Machines Installed At Union Street . .



An attractive bank of vending machines were recently installed at Union Street. The area also includes several groups of tables and chairs where employees may relax during their breaks. Similar areas will be installed in all North Adams plants in the future.



Robert Jones, Jr. (left) and William McDonald (right), representatives of the Berkshire Coca-Cola Bottling Company who are handling the vending operations and Sidney Chisholm, supervisor of Sprague cafeterias, inspected the new machines on opening day when all employees received free coffee.

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## Health Hazards In Your Home

By Dr. William G. Heeks, Corporate Medical Director



Recently there was reported the case of a child in serious condition at a neighboring Medical Center as a result of eating a large number of pills containing iron. Young children will eat or drink almost anything, and this year it is estimated that some half million children will be victims of accidental poisoning.

Each of us at some time or other unwittingly allows poisonous substances to come within reach of children. It doesn't necessarily have to be a toxic substance. Aspirin, for example, in proper dosage is a valuable drug but in excessive amounts can be a poison.

If you examine the storage facilities in your home I feel certain that you will find detergents, furniture polish, bleaching preparations, oven or drain cleaners, to mention only a few, which are within reach of the normally curious child. Greater risk arises if these or similar substances are stored in milk or soda bottles which a child associates with something good to drink.

Let me emphasize at this point that if a child accidentally drinks or swallows a poison, immediately have it drink large quantities of milk or water to help neutralize the poison and to induce vomiting. If the child is already vomiting do not try to make it swallow fluids as they will go "down the wrong way" and flood the lungs. Without further delay call your doctor or take off for the emergency room of your local hospital.

Ingested poisons act in various ways. Bleaches, oven cleaning preparations and drain cleaners produce burns of the delicate mucous membranes of the mouth, throat, esophagus and stomach. If the child survives, healing frequently results in excessive scarring and may necessitate prolonged aftercare to dilate the contracted areas. Others may form compounds in the blood which prevent the transportation of oxygen or may actually paralyze vital centers of the central nervous system.

Manufacturers frequently flavor medicines for children—cherry being one of the more commonly used. This is pleasant to take not only for the therapeutic effect, but possibly for a toxic effect in excessive amounts. Parents may give a child medicine telling him it "tastes like candy". What child can differentiate the good from the bad?

Our efforts to reduce the cases of accidental poisoning must be one hundred percent preventive and may be summarized as follows:

1. Keep household potential poisons in their original containers and out of the reach of children.
2. Keep medicines in a cabinet not accessible to children.
3. Never tell a child medicine is candy.
4. Adults should not take medication in the presence of children.
5. Should accident occur:
  - a. Induce vomiting by having the child drink large quantities of milk or water unless it is already vomiting.
  - b. Get immediate medical care from your family physician or at the Emergency Room of your local hospital.



## Picture Highlights . . .



Ida Fix, of Time Study, and Christian de Marcken, of Methods, did an outstanding job as co-chairman of the Santa Fund. Largely through their efforts a total of \$4,293.38 was contributed to assure that no area child was without a gift at Christmas. Shown above inspecting some of the many gifts, Mrs. Fix and Mr. de Marcken noted that 1,112 toys were purchased and 137 clothing certificates given to needy families. Maurice Lepesquer and Pasquale Montesanto, two of the many volunteers, wrapped gifts in the Marshall Street Cafeteria prior to distribution by members of the Sprague Management Club.



Following the custom started a few years ago, employees of the Research Center donated the money they would have spent on Christmas cards for each other to a worthy charity. Dr. John L. Sprague presented a check for \$150 to Mrs. Edward Sloan, President of the Northern Berkshire County Association for Retarded Children, Inc. as Joan O'Neill, his secretary, looked on.

In a letter of thanks to the group Mrs. St. Onge, secretary of the local Retarded Children Association said, "It is gratifying to know that other people believe in our cause and want to help support us and our goals."



William Harris (left), of the Metallurgy Lab, receives his certificate for completion of a course in Electroplating and Metal Finishing given by the Metals Engineering Institute. Making the presentation is Raymond Stupak, Section Head, Metallurgy Lab, as Courtney Flanders, Corporate Manager of Training looks on. Mr. Harris has taken advantage of Company sponsorship to further his education and is presently studying in the Sprague-North Adams State College program.

## UNION STREET Echoes

### Magnetic Finishing

by Helen Burdick

Here we are again! Hope everyone enjoyed the holidays and are all settled down now for a cold winter. . . . This is my last news report for the LOG and I sure will miss writing. I have made many friends since I've been a reporter. By the time you read this I'll be married and living in upper New York State, above Plattsburg, New York. I hope to see you all someday and I also want to thank each and every one who gave me parties and gifts for my new home and myself.

Buzz Johndrow wishes Helen Murphy and John Gallese would learn a new name. He says 'Buzz' is the only name they know. I for one was glad when Buzz shaved his beard off. He grew it to go hunting and I guess he thought if he met a bear the bear wouldn't touch him. . . . Ronnie Dean gave his girl friend a diamond for New Years. About time, Ronnie, you found out that two can live cheaper than one. Congratulations from all of us.

Our boss man, Lloyd King, is very busy making preparations for his daughter's wedding in April. Girls are dear in more ways than one, aren't they, Lloyd! . . . Joanne Aragose recently parted with her tonsils. You don't miss them, now do you, Jo? . . . Nellie Hewitt has had trouble with her back lately. Better take it easy on these icy sidewalks. . . . Lil Goff tell O. to keep sending you those jokes and please send them to me when you are through with them.

I wish Maude Convery good luck on my job. It's not as hard as it seems—it just takes time and patience getting use to it. Thanks again for your thoughtfulness. See you all soon! . . . Oh! Welcome back Ray Blair and good-bye for awhile to Caroline Wolkowicz.

## BROWN STREET Briefs

### Dept. 679

by Lillian Babcock

Hello, everyone! Well, here we are back from a long vacation, and now that Christmas and New Years are over I'm sure you would like a little news. . . . We have had a busy time around here in the past few months—more changes. One day you are in one place - the next day in another. Some of our co-workers have been transferred to another department. I can't mention all of them because I can't keep track of them, but we would like to wish them all the best of luck. . . . We also have some new people in our department and we hope they will like it here with us.

Two of our group retired recently. They are Mertie Bishop and Rose Favreau. We had a very nice party for them at Taconic Park Restaurant. I think everyone enjoyed himself. Well, Mertie, I hope you are all over the gripe and enjoying this nice winter weather. You can just look out the window and think how lucky you are that you don't have to go out in it. Have fun, Mertie! . . . Our gal Rosie - I hear you have been in the hospital. We all wish you a speedy

recovery and hope you will be up and around real soon.

The Girls Candle Pin Bowling League held their Christmas party at the Fireside Restaurant, and our team, the Joettes, were quite lucky. Two of our girls won prizes. Peg Menard won a traveler's clock for a door prize, and her sister Edith won a cuddly dog. We did very well I think, and everyone had a lovely time. . . . Well, I guess that is all the news for now. I will let you in on a little more news later.

### High Quality Coolers

by Evelyn Jones

Here we are at the start of another new year. Hope it will be a happy one for everyone. . . . Hello to all our former co-workers. Hope you had a nice holiday. . . . Florence Dupre and Pauline Buletti saved their vacation for the holidays. Florence had her son home from college. . . . Ann Fortin visited her daughter and family in Maryland. Gramma wanted to deliver her own presents.

We enjoyed a Christmas dinner a la Batemans. There were 17 of us in all. After the meal we sang carols and opened our grab bag presents. . . . Liz Slattery received a color television set from her son. Now she has TVitis. . . . Agnes Lineberry became a grandmother. Her daughter, Roberta, presented her with another boy. . . . The Department was deeply shocked and saddened by the sudden death of Joe Rotolo.

### Fabmika and Mica

by Irene Drobniak

Doug Hughes, a former co-worker of ours, visited us recently from Canada. . . . Fran Schmidt's son, Arnold, is on the Drury Varsity Basketball Team. We wish him the best of luck. . . . The Twenty Year Service Award Banquet was held at the 1896 House in Williamstown. Receiving pins from our department were: Mary Markland, Dave Chietini, Julia Sullivan, Helen Wager and Irene Drobniak. . . . Cas Walczak received his 15 year pin also.

Everyone in the department wishes to extend their deepest sympathy to Mary Unis on the death of her brother. . . . We also extend our sympathy to Art Bissailon on the death of his brother and sister. . . . Our congratulations to Leslie Kent for successfully bagging a doe during hunting season. . . . Gladys Sullivan was pleasantly surprised recently by guests from Florida. . . . Helen Wager is kept busy these days with McGregory - her pet monkey.

Mary Lizak had company from New Jersey over the holidays. . . . Our Department Christmas Party was held in our room on December 17. From all reports everyone had a good time and are looking forward to our next party.

## BUSY BEAVER News

### Metal Clad

by Assunta Pollone

Mildred Mirante has retired and has the best wishes of all the Department for a lot of long and happy years. Susan Pollone, assisted by Lucille Cross and Helen Korzendorfer, entertained at Susan's home in honor of the occasion. Also present were five former employees who are now retired. Lola Briggs served as toastmistress, Alice Lavariere offered grace, and Clara Wilk of Adams gave a toast. George Daub, our foreman, spoke on behalf of those present and

Barbara Campedelli presented Mildred with an orchid corsage and a drum table on behalf of the Department. Marilyn Daub played several organ selections. Mrs. Mirante responded fittingly. The Hypass Line isn't the same without you Mildred, but be happy and enjoy yourself.

Our Department was saddened by the death of our President and daily he is still the topic of conversation. To those of us who had the privilege of seeing him, his memory will live forever. He was a great president and a loving husband and father. May he rest in peace.

The LOG was missed. It seemed such a long time since we had one and all of the girls were asking about it. They thought that something had happened to their copy. The next issue with Departmental news will be in April-May so we will have to do things differently so as not to disappoint anyone. So until then—so long! . . . Alice Roberts has become a member of the Quarter Century Club. . . . Alice Contois and Sue Pollone both received their 15 year pins this past year as did our foreman, George Daub.

### Check Inspection

by Walt Gould

We must offer congratulations to both George Maxwell and Harold Weyers on their bowling prowess. They have both made the headlines recently. George even went so far as to win a handicap tournament. . . . Hank Testa, our foreman, is having a rough time preparing to move to his new house and coping with two sick children. . . . Marilyn "Monroe" Daub has taken off at least fifteen pounds. She has evidently found the kind of a diet that I would like to try.

Clarence Rhodes may live in deer territory but his luck ran about the same as mine - no deer. . . . Phyllis Parker will have ample opportunity to practice game cookery as Bill Fey brought home a nice buck. . . . Cecil Mikuszewski was doing fine with her crazy diets, but now with the holidays she is losing ground and on top of that she has the annual Big Night coming up.

Della Gawron is the busy one this year. Now that her son has taken up hunting and driving the family car, she has her hands full. . . . Helen Bryce, the matron of the State Line house, is still worried about all the deer dragged out of the woods and fields around her place - a few were legal! . . . Dick Maynard is so quiet that there is not much to say about him at this time. . . . I took a week for Vt. deer hunting but might better have stayed at home. Plenty of exercise but the lonely deer I saw was a big doe that practically looked in the kitchen window at us at Risky Ranch.

### High Reliability

by Marion Andrews

It sure is good to have Lucille Racine, Eleanor Rennell and Marion Wabnig back with us again. . . . Several in our group took vacations during the Christmas holiday. They were: Edward Konopka, James Brayman, Alice Carpenter, Sylvia Brayman, Betty Samia, Mabel Bishop and Clara Roberts. . . . Eva Jowett and her husband celebrated their 30th wedding anniversary on January 20. Congratulations and many more, Eva.

The girls had a party at Heartwellville Lodge and Leah Gamache's husband was surprised with a birthday cake. . . . Olga Lic was kept quite busy around the holidays. Besides shopping she had to help her daughter get ready for a Christmas dance at St. Joseph's High School and for the sophomore Christmas Pageant. . . . Marine PFC Wayne Menard, son of Lauretta Menard, spent Christmas



Alvena Gifford (2nd left) was honored with a party on her retirement. With her are (l to r) Mary Bishop, supervisor; Ida Decoteau, foreman, and Olive O'Neil.

with the family. What a nice Christmas for Lauretta. He is stationed at Cherry Point, North Carolina. We would also like to send Lauretta belated birthday greetings. She celebrated on December 26.

Florence Carno recently became a great grandmother. A daughter was born to her grandson, Bobby Beliveau, and his wife... Pauline Beliveau is wondering why Olga Lic runs the other way when she sees her coming. Polly says she doesn't bite... Peg Descoteau's son, David, was home for the holidays. He is a freshman at St. Anselm's College... Peg Moreau's son, Edward, was also home for Christmas. He is stationed at Norfolk, Virginia.

Rose Lancto's fellow employees presented her with a purse of money and a very pretty pocketbook on her retirement. She is a wonderful person to know and will be missed by all of us... Our department was sure kidded about the dinner we were going to have and which never got delivered. We sure were a lot of hungry people that day... We were all glad to see Chris Pugliese out of the hospital... At this time Evelyn Trueheart is in the hospital and we all wish her a speedy recovery... Marion Andrews celebrated her 26th wedding anniversary on January 1... I would like to wish everyone a Happy and Prosperous New Year.

## Film Products

by Veronica Sobon

Now that the holidays are over—and I hope everyone enjoyed them—we can resume our normal routine... Since our last LOG our Department has bid farewell to Mrs. Alvena Gifford who retired on November 1. She was given a party at the Fireside Restaurant which was attended by thirty of her co-workers and a few guests. She was also presented with some lovely gifts which will help her keep us in her memory.

Another member of our group left us the first week in December to await the stork sometime in February. She is none other than Theresa Grady who also deprived us of the most cheerful person in our group—a ready



"Do you have a giant in your washing machine?" Our small size giant is Brian Alarie, son of Barbara of the Spray Room.

smile and a real zesty laugh now and then—that's our Terry. She was sent off with a baby shower held at the home of Muriel Ison which was attended by thirty-five girls. We wish you lots of luck, Terry, and a bouncing baby to make use of all the beautiful gifts you received at that shower.

With the snow season here conversation is getting around to skiing and skating, and in our next issue I hope to have Mary Bishop and Marge Barry tell us all about it. Safe landing, girls!



All dressed up in her party best is Donna Gentile, daughter of Eunice Gentile of the Tantalum Department.

## Plating

by Joe Pilling

Welcome to Carl Butler and Ralph Lewis who moved up here with all their equipment. They even built an addition on our department for them. Happy plating, fellows... Mike Becker went duck hunting and deer hunting, but he didn't decrease the animal kingdom or the bird population... Loren Estes and Speedy Martell also went deer hunting. They didn't waste any ammunition either. Better luck next year!

Stanley Lesnick and Mrs. Lesnick are the proud parents of their third son... Congratulations to Loren Estes on his suggestion award... Happy birthday greetings are in order for Howie Isherwood, Ness Robert, Walter Martin, Elbert Becker and Angelo Mazza... Anniversary congratulations go to Isadore Wolkin who celebrated his 25th on January 1; Angelo Mazza who celebrated his 15th on January 8; Charles Kozlowski who celebrated his 15th on January 14; and Loren Estes who celebrated his 17th on February 8. Clayton Tatro will celebrate his 5th anniversary on February 20. We wish you all many more!

## Paper Rolling

by Nabbie Skorupski

Well, folks, the Christmas holidays are over and we hope everyone enjoyed themselves... A few of our group took late vacations. We hope they had a good time, too... Our Rolling group is entertained each day with Kelly's laugh and giggle... We would like to welcome all the girls who have been called back to work. We had a wedding recently. Isabel

Thompson, our desk clerk, was married to Robert Nault. She has returned to work now and we were all glad to see her back... Richard Mazinski, son of Margaret Mazinski, is stationed at Lakeland, Texas. We hope Uncle Sam treats him well—and you try not to miss him too much, Margaret. We know you do, but he will be home sooner than you think.

Janice Gooch, who now lives in Boston, spent the holidays with her parents. Judith and Edward Love also were at home. Both girls are daughters of Evelyn Gooch. Her son-in-law is an ensign in the U. S. Navy, stationed at Norfolk, Virginia. He is the son of Dorothy of Industrial Oils... Phil Nimmons also had her sons home for the holidays.

Mary Valazza received a floor pole lamp from her friends at work and she sure was surprised. She couldn't imagine what Emma Pudlo and Evelyn had to whisper about and not tell her. Now you know, Mary... Pearl Sharples had her Fresh Air girl spend the Christmas holidays with her. There couldn't be a better gift for a little girl, and she has your love, Pearl. That's something she will never forget for you've been so good to her... We all wish a speedy recovery to Roma Sacco who is out on sick leave. We hope that Russell, her husband, likes his new job.



Mildred Mirante (center with orchid corsage) was given a retirement party by her co-workers. Part of the group and their foreman, George Daub, are pictured.

Bruce Meekin is now a supervisor in the testing group. He replaced Irene LaFleur who is on a pregnancy leave... Louise Cardimino is also expecting an addition in her family. Good luck, girls, and we hope to have you both back with us again soon... I hate to admit it but the almanac says there will be many more days of snow so please be careful. Try not to do the shoveling yourself, but if you do, be sure to take a rest in between. We would all like to live longer and enjoy life... Guess that is all the news. Hope you all enjoyed the holidays and will have a Happy New Year

## Metallized Block Assembly

by Dorothy Baker

Greetings, friends! I hope that everyone had a very happy holiday season... Harold Norcross had company for the holidays and Blanche Letalien went to her daughter's home... Blanche's daughter, Barbara, was married on November 30 to Pedro Prieto. Everyone had a fine time at the reception which was held at the American Legion Hall... Belated anniversary greetings to 'Pinky' Sherman and his wife... Birthday greetings to Edie Ames and Blanche Letalien.

A belated good-bye to Carol Mazza who now works in another department... We also miss Mary Wilson who is on a leave to take care of her son, Glen... A welcome to Ada Harrington and Blanche Letalien, and oh, yes—welcome! Welcome! Harold!!... Anyone needing a band aid see our pretty little nurse, Janie... Edie Ames' husband, George, was home from the Navy for Christmas. That was her best present.

## A Letter from Heaven

An anonymous poem dedicated to the memory of former President Kennedy swept the country. The point from which the copies were distributed is not known.

Following is the text of the tribute entitled:

Special Delivery From Heaven  
To: The Kennedy Family  
From: John Fitzgerald Kennedy

Sorry I had to leave right away  
I look down and smile at you every day.  
Little Patrick says to say "Hi"  
I Love You, I'm happy  
So please don't cry.

And Caroline I'd like to say  
How proud Daddy was of you that day.

When you stood like a lady  
And watched me go by,  
And doing as Mommy, you tried  
Not to cry.

Little John, now you're the Big Man,  
Take care of mommy the best you can.  
You were just like a soldier  
—That salute was so brave.  
Thanks for the flag that you put  
On my grave.



This bright-eyed young man is Richard Reid of Adams, favorite nephew of Phyllis Parker of Check Inspection.

And as the New Year starts for us  
And we all make plans galore  
Let's each of us just whisper  
A prayer for Nineteen Sixty-Four  
"Lord, help us here to daily live  
In Peace and Happy Content  
And make each day throughout this year  
Be one we'll count well spent.  
Help us to be a Friend to all  
Helping others along life's way  
And may we hold onto Thy hand  
From day to endless day  
For many are the trials we know  
There are in store.  
But help us Lord, to live for Thee  
During Nineteen Sixty-Four."  
And so in sickness or in health  
May this our motto be;  
To stand the test—to meet His call  
And serve Him here that we  
Someday can meet up Yonder  
Up there in Heaven above  
Where all is Peace and Joy and Rest  
And God's Eternal Love.

## MARSHALL STREET Memos

## Tantalum Finishing

by Dolores Anello

"It's snowing again!" seems to be the usual phrase  
That we hear constantly these days.  
Though we know how the streets are beautiful at night  
With their gleaming whites of diamonds—the trees so white  
I know it's such a pretty picture all right,  
But why must it come on week-ends?  
To me, this is no welcome sight.  
Of course the skiers would shoot me when I talk this way,  
But since I tried to learn that sport,  
I'd take tennis any day.  
No broken bones or muscles the worse  
At tennis, a few sore muscles I'd just have to nurse.  
With talk about winter's air making our health as good as gold,  
All it gave me was a nice juicy cold.



Looking very pleased with himself and the world in general is young Carl Dolle, Jr., son of Carl Dolle of Chlorinol.

## Misc. Papers

By Doris Richards

### THE NEW YEAR

A New Year starts like a new page  
A page clean from end to end;  
And at its end our life will show  
The Upward or Downward Trend.  
So, as we leave Nineteen Sixty-Three  
And enter Nineteen Sixty-Four  
May each of us take stock and see  
Just what we have in store.  
Have we done all that we could do  
To help each passing day  
The one who slowly walks along  
Or falters on Life's Way?  
Have we done as we should have done  
To help with another's load  
Or have we idly just stood by  
Or slowly crossed the road?  
To have friends is to be one  
And so—in joy or stress  
We should do all that we can do  
To help bring happiness.  
So as we take a Backward Glance  
At the year we've just seen end  
Let's look into our life and see  
If we could be called A Friend.



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**HAVE YOUR HOME THE WAY YOU LIKE IT NOW**

Enjoy the improvements as you pay for them through an FHA Home Improvement Loan from your Sprague Credit Union.

Repayments up to 5 years at low 5% PER YEAR DISCOUNTED rate. Up to \$3500 AVAILABLE WITH NO CO-SIGNERS.

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## THE TRADING POST

**FOR SALE**

1959 SKYLINE MOBILEHOME—(2) bedroom; rear kitchen. \$3200. Call 743-3860 or 743-3297.

1958 FORD FAIRLANE "500"—2 dr. hardtop with Cruisamatic drive and V-8 engine. Good motor. Call 743-1130 or 743-1704.

1957 V-8 FORD (blue & white)—hydromatic. 4 dr.; good condition. Very reasonable. Call MO 3-7654

1955 PONTIAC Convertible—rebuilt 284 H.P. engine. Snow tires, seat belts. Body - excellent. A steal at \$300. Call 423-7755 after 4 P.M.

1963 YAMAHA MOTORCYCLE—125 cc 10.5 H.P. Electric starting. Reason for selling—going into Air Force. \$350 firm. Call GL 8-4318 after 4 P.M.

1957 MG—good condition. Radio; heater; new exhaust system; side curtains. Also new tires. Call MO 2-2173 after 5:30 P.M.

(5) 600 x 13 TIRES—\$20 for the lot. Call MO 3-3505 after 5:30 P.M.

CAR TRAILER with Tarpaulin. Both in excellent condition. Call MO 3-9972.

(2) 1960 MERCURY WHEELS (black)—800 x 14. Almost new, \$10. Call Brown Street Gatehouse. Brown Street 24.

9' x 9' STATION WAGON TENT—used twice. Table power saw—good condition. Olds trombone—\$85. Call GL 8-3916 after 4:30 P.M.

(2) BUICK RIMS—15". \$4. Call 743-3297.

GAS HOT WATER HEATER. Also (2) oil storage drums with dispensing fixtures. Call MO 2-2441.

CONGOWALL FLOOR COVERING—gray & white with black border. 1 piece 11' long; 1 piece 2' long; and 2 small pieces (4 yds, and more). \$3.50. (1) Combination wood door with screen & window. Good condition. \$6. Overall size—30" wide by 78" high. Also electric roaster oven in perfect condition. \$25. Call MO 4-9739.

SECOND HAND COUCH—in good condition. \$15. Call 743-3297

4.0 H.P. 4 CYCLE TORO 25" SNOW HOUND snowblower. New last winter. Call MO 3-6249 after 5 P.M.

WOMEN'S DOUBLE SKI BOOTS—size 8. Good condition. Call MO 3-8670.

EUMIG 8mm CAMERA (NEW)—1.8 lens; 10.—40 mm Zoom lens with electric eye. \$200. Reason for selling—have 2 cameras. Call MO 3-6241 after 5 P.M.

(2) FISHER STEREOPHONIC SPEAKERS—11" high, 4½" deep, 3¾" wide. \$25. Call MO 3-3155 after 4 P.M.

LEFT HANDED GOLF CLUBS—2-9 iron; 3 & 4 wood. Good condition. Call 743-0426 after 5 P.M. or Marshall St. Ext. 2798.

**FOR RENT**

6 RM DOWNSTAIRS APARTMENT with bath. Clean, large rooms. Near school. Available anytime. Call MO 3-6331 after 4 P.M.

4-RM APARTMENT (1st floor)—unfurnished. Newly decorated. Refrigerator & stove furnished. 2 minute walk from Spragues—11 Chase Ave. Call MO 3-8569.

3-RM APARTMENT—upstairs. Heat & hot water furnished. Adults only. 521 Union St. Inquire on premises.

**WANTED**

HULK OF A CANOE—gunwales, ribs, etc. Would be interested in a dilapidated canoe at a reasonable price. Call Marshall St. Ext. 2203.

**RIDERS WANTED**

FROM ADAMS TO MARSHALL ST for 8-5 shift. Call 743-3721 after 5:30 P.M.

FROM GROVE SECTION, ADAMS TO BROWN ST. for 7-5 shift. Either or both ways. Main roads. Call 743-3860 or 743-3297.

FROM ADAMS to MARSHALL, UNION OR BEAVER STS. 8-5 shift. Call 743-3539.

**RIDE WANTED**

FROM LANESBORO RT. 7 to Marshall Street for 7 A.M. to 5 P.M. shift. Call Marshall St. Ext. 2221 or Hillcrest 3-1411.

## THE TRADING POST

LOG DESK  
Marshall Street

<input type="checkbox"/> For Sale	<input type="checkbox"/> Wanted	<input type="checkbox"/> For Rent
<input type="checkbox"/> Ride Wanted	<input type="checkbox"/> Riders Wanted	<input type="checkbox"/> Lost

.....

.....

.....

.....

Name .....

Home Address..... Home Phone.....

Department..... Dept. Ext.....

Extra Copies can be obtained from your Department Reporter or by calling the LOG DESK, Marshall St. Ext. 383



This solemn little gentleman is Joseph Goddard, son of Charles Goddard of Industrial Oil Final Assembly.

So to dream of those nice warm dry days

To swim and bask under the sun's hot rays,

I'm just waiting for all this to come true and then

I won't have to hear those words, "It's snowing again!"

Well, we reporters had a little vacation because of the National LOG and still there isn't too much to report. First of all, I must write that we sure miss Adeline Roy and Mary Girard. They both have been on a leave of absence and have had operations, but are now recuperating. We all wish you both a speedy recovery.... Santa has delivered his presents and won't be back for another year. We had a wonderful, sumptuous Christmas dinner during our lunch hour. Everyone brought such tasty dishes. Grab bag presents were exchanged and gift certificates were presented to Lillian Trimarchi, our supervisor, and Bill King, our foreman. We would like to thank all those who helped to make the party a success. Evelyn Prystas was also presented a gift certificate from her co-workers in the stockroom.

A belated happy birthday to Betty Johnson and Lila Beaudette whose birthdays were in December. Also happy birthday to Theresa Garofano who celebrated in January.... Congratulations to Gordon and Alice Dyndor whose wedding anniversary is in February. Hope you both have many more years of health and happiness.... Well, Marge Callahan sure looks pretty trim nowadays. Cottage cheese has been pretty popular with her lately, but it sure gets results. Keep up the good work—but what was on the menu on Christmas day, Marge?

Lately we have a knitting school in our midst. Almost everyone in our room seems to be taking up knitting, and each one asks another for a few pointers. They are doing very good work and it looks very professional. I think I'll attempt something.... Evelyn Prystas and friends drove to Washington, D. C. to see the late President Kennedy's grave and went on a tour while there. She brought back some beautiful pictures and

showed them to us. She said that everything was so inspiring that she would never forget it. The next weekend she traveled to New York City to see the beautiful Christmas decorations and toured the city. What next, Evelyn?... Well, see you in two months.

### Check Inspection

by Betty Jangrow

Everyone enjoyed the Check Inspectors Annual Christmas Party. Norman Robare made a beautiful Christmas cake for a prize and it was won by Mary Odell.... All the Inspection Group wishes everyone a Happy and Prosperous New Year.... After we get on the new schedule for the LOG we will have more current news.... All of the group here say they will miss not having the LOG every month.

### Tantalum

by Amelia Koza & Gladys Moderski

The Holiday Season is over and our Department seems to have vacations all year round. Eva Ferris, Frances Laghi Kay Mendel, Helen Trozzi and Kay Marra all took time off at the end of the year.... Amelia Koza is back with us again after her sick leave. We're



Nicole DelNegro, niece of Tessie Czaja of DX Assembly, looks very angelic in her First Communion picture.

glad to have you back and it's good to hear you laugh again.... Ora Boyer and Gladys Moderski enjoyed their trip to New York—doing something different for a change! There wasn't so much shopping this time, but more entertainment.

Anna Dassatti's birthday was a big success. It turned out to be a banquet and she received a beautiful gift.... Pauline Smith graduated and received her driver's license. Many happy motoring hours, Pauline. It sure beats walking.... Mary Crandall and Dot Farinon enjoyed their stay at the Americana Hotel in New York City. They also went shopping and visited some night spots of the great city.... Dot also traveled to Columbus, Ohio to attend the wedding of her nephew, Joseph Girardi, son of Rita Girardi a former co-worker of ours.

Kay Mendel is sporting a new car. Hope you like this one better.... As they say "better late than never", but we all agreed that we had a marvelous Christmas season with lots of delicacies. Corinne Sears excelled with her baked fruit bread and Ann Baker made a beautiful and tasty mold. Gladys Moderski made some lovely cakes and there were many other goodies. Now we will have to trim down a little with the festivities over. All I can say is that I'll go on a diet "next Monday".

We send belated birthday greetings to Bernadette Jones, Marion Daigault, and Anna Dassatti who celebrated in December.... In February Viola Zepka and Dominic Papas will have birthdays and in March Gladys Roy, Catherine Marra and Kay Mendel will celebrate.

### Office Services

by Carmela Brazeau

Due to some changes in the LOG schedule we are finally back in the news again after a long vacation. During 1964 there will be five regular issues and two National issues. After the March National LOG we will publish an April-May issue and so forth. With this new schedule, some of our news will be a little old, and that is one reason why birthdays and anniversaries will no longer be pertinent to publish—but we can mention them in our column. Once we get used to this new system, you'll find it no different.

Things have been pretty busy since our last issue, so to get up-to-date again here are a few things that have taken place. Service awards were presented to Chester Gallup and Albert Horsfall for 20 years of Service with the Company.... Charles Ahola has left us to go back to school.... Edward Zabek and Henry Perreault left us for jobs in the Lab.... The welcome mat was out for George McDonald, Ray Mahar, Jr., Dick Gentile and Tommy Richards.

Ray Mahar Jr.'s wife, Kathy, gave birth to twin daughters, Jane and Jill, on October 26th. Ray will be leaving us soon for a Lab job, too.... Vacation time has been in full swing.



Ann Patenaude, of Metal Clad, would like us to know two of her grandsons who recently graduated from high school. On the left is Mark Sondrini who lives in Indiana, and on the right Lee Sondrini, of Adams.

Harold Twitchell was away for three weeks at U. S. Army School.... Chester Gallup and wife, Corinne, took a motor trip to Fort Stewart Georgia to visit their son Lt. Walter A. Gallup and his family. Walter was recently promoted to Captain!.... Lidija Augstkalne took a week's vacation early in January while her son, Valdis, was home on leave from the Army.

Everyone was pretty busy during the holidays but are now settling down for the new year. We hope the new year will bring better things for everyone.... Belated birthday greetings to George McDonald, Lidija Augstkalne, and Carmela Brazeau who all celebrated in December.... Also belated anniversary greetings to Mr. & Mrs. Andrew Plue.... Our Christmas party was held on December 21 at the Heartwellville Lodge.

### Misc. Dry Test and Ship

by Ella Genesi & Emily Wlodyska

The hustle and bustle of the holiday season is over and what a relief! We'll settle down to a normal routine for a while and then start planning again.... There were numerous parties during the holiday season. The Sprague Women's Candlepin League held their party on Monday, December 16 at the Fireside Restaurant. An excellent dinner of roast beef and veal cutlets was served. Games were played and prizes were awarded to various individuals. Grab bag gifts were also exchanged and dancing and singing was enjoyed by the whole group. The Western Electric team played host for the affair and a good time was had by all.

Our Department Christmas Party was held on Thursday, December 19



Pictured shortly after their birth are Jane and Jill Mahar, twin daughters of Ray Mahar, Jr. of Microelectronics. Mr. Mahar's father and mother both are employed here as is Dick Trotter, the maternal grandfather.

and was also at the Fireside Restaurant. The menu consisted of roast beef and ham. Dancing was enjoyed by the whole group with Bill Wheeler's orchestra supplying the music. Judging from all reports it was one of the best parties we ever had. Many thanks to Cecile Magnani and Marie Paesler for the very capable handling of the whole affair.

On Monday noon, December 23 our Department (again) had a smor-

proficient "knitter-outer". Our knitting teacher, Joan Tompkins, will soon be retiring (tho' she's far from aged). After the holidays, Joan, Carol and I will have weekly knitting classes. The first one will be at my sparkling new house. Bette Gargal, the girl who claims she has no knitting talent, has been making a beautiful Aran sweater.

This year, as in 1962, we at the Research Center took up a collection for the Northern Berkshire Association for Retarded Children in lieu of sending Christmas cards to each other. Presentation of the check was made on Thursday, December 19, by Dr. John Sprague.

Dr. Fowkes is eagerly awaiting the day when he can move into his new home. It is scheduled for December 23.... Assorted tidbits from the Research Christmas party held December 14 at the 1896 House: Don Smyth with his bubble set and earrings; Al Janus still waiting for the next polka; Otto Weid taking a crack at the Charleston; George Shirm's trick toy.

The ski enthusiasts have their skis all waxed and ready to go; all we need is a little more snow.... Our "dear" hunters, Bob Mullen and Bill Currant, both got deer this year in Vermont. My dear, taking a few hours off from his carpentry, plumbing, masonry, etc. also shot a couple — one in Massachusetts and one in Vermont.

Observations of interest: The art gallery in the Library office; the turtles sunning themselves in one of the Labs; Julie's forever-blooming flowers.

Have a sane holiday season; drive carefully—don't back up into highway intersections.

### Sales Office

by Mary Lou Doherty

Here we are back again after a long vacation. Since our last column we have had many changes in our office.... Harold Brafman, formerly of Field Engineering, has recently joined our group.... Some of the new girls who have joined us are Caroline Webb, who is working for Roy Douglas; Kathy Guyette, Marcia

### Research

by Alice Heideman

Greetings and salutations from the Research Laboratories.... Congratulations to Bob Alibozek whose wife had a baby boy on December 17.... Welcome to our latest Research additions: Al Janus, Harry Conley and Nick Error.... Bob Mullen—how many aspirins did you consume after a recent Christmas party?

This is old news, but one of our co-workers (who desires to remain anonymous) has an excellent formula for deodorizing dogs who have come in direct contact with the mephitis-mephitis (skunk)—a tomato juice bath! How about that!... Carol Merrifield—when will you finish knitting that sweater (and booties and scarf?) You certainly would be a



Looking as if she was not quite sure of what was going on is Susan Beard, daughter of Lawrence Beard of Systems Engineering.



Edward Kata, Jr., of Malverne, Long Island is the nephew of Dolores Anello of Tantalum Finishing and George Shakar of Brown Street.



Galli, Butch Sherman, Diane Blair, Caroline Horan, and Barbara Pierce who have all recently returned to work after short leaves.... A few of the girls who have left us are: Jackie Mellin, who has taken a position with the E. A. French Insurance Company, Joanne Koczela, who moved to Connecticut where she is working as a secretary; Joni Williams, who recently became Mrs. Michael Shields and has moved to Alabama where her husband is stationed; and Betty Berner, who has left to become a housewife. Betty and her husband recently bought a house off Notch Road. A dinner was held for Betty at Florin's and the girls presented her with a Meeker bag.

Peg Morandi and her husband recently bought a house on Veazie Street. Moving wasn't too bad for Peg until she tried to find her coffee table. It seems her husband decided they didn't need it and he smashed it.... The Christmas holidays were as hectic as ever. Barbara Magnifico kept busy knitting Barby doll clothes for her daughters.... We think Bill Martin supplied fruit cakes for most everyone this year. How many did you sell, Bill—300?

Our office recently took up a collection of gifts for the children at Brightside and Bernice Remillard took the gifts down one Saturday afternoon.... Martha Harvey has reason to feel quite proud. Her daughter, Francine, has recently been elected to Who's Who in American Colleges and Universities. Francine is a senior at Hood College.... Nancy Jamros recently underwent an operation at the North Adams Hospital. Here's hoping you'll be up and around with us again soon, Nancy.

Mary Ann Gamache recently became the owner of a French poodle named Fifi.... Lil Adams took a week-end trip to New York. We know you like looking at those tall buildings, but Lil watch out for those curbs.... Sue Keating recently left us to await a visit from the stork.... Birthday wishes are extended to Butch Sherman and Lois Dean who celebrated in December, and to Lil Adams and Sue Richard who will celebrate in February.... We hope everyone had a Merry Christmas and a profitable New Year—and remember, let's keep those New Year's resolutions this year.

## Filters

by Ruth Haskins

We were all so sorry to hear about the bad fall that confined Lucy Kenney to the North Adams Hospital. The Filters certainly missed Lucy and her sunny disposition.... Mabel O'Grady was also a patient at the North Adams Hospital. Mabel has faith, and so have we, that she will soon be well again.... LOG deadline finds Jack Battersby having X-rays in the hospital, too. Stella tells us he is feeling better and we are all very glad.... As if that isn't enough illness, Jean Bancroft's husband has been in the Albany Veteran's Hospital for several



Donna Marie Babcock, daughter of Lillian Babcock, of Industrial Oil Final Assembly, is a student at St. Joe's.

weeks. Our best wishes to him.

John Mahoney enjoyed a vacation in Florida just before the holidays.... Elinor Zagorski is our newest member of the grandmother's club. Her daughter has a lovely little girl.... Our Christmas party was held at the Greylock Community Club this year. John Davis catered and cooked the most delicious roast beef we ever ate. Jean Wheeler was a riot as Mrs. Santa Claus. The Starlighters furnished music for dancing, including the Hooky Pooky led by Lou Vincelette. We had a ball!

Prizes at the party were won by Mabel Williams, Susie Davis, Marion Monette and 'Roz' Vincelette. Rose Lazarczyk, Alice Monette and Francis Dami were in charge of arrangements. Martha Lewis, our beloved retiree, was with us and looked as lovely as ever. The band played the Anniversary Waltz in her honor. Tom Marsh, Al's father, was also with us. We had loads of fun with him, and he sure can dance. Everyone agreed it was one of our best parties.

## Corporate Industrial Relations

by Carol Jones

Christmas has come and gone and we hope everyone had an enjoyable holiday.... Congratulations to Jim Williams and Marion Manion on the National LOG.... The CIR-IR Christmas Party was held at Taconic Park Restaurant. Everyone seemed to have a good time. (Mr. Flanders insists that Mara collected money for his dinner three times).

We have finally gotten Mara Ozolins to call gumpdrops, gumpdrops instead of jelly beans. The only problem now is that everyone else is saying jelly beans.... Everyone who worked on the Santa Fund deserves a vote of congratulations and thanks for a job well done.... Joanne Bogardus and Yours Truly took Christmas vacations. Joanne spent her time at home and I flew to Ohio to be with my folks.... We are all looking forward to the March National LOG.... See you in April.



This little smiler is Steven Begnoche, 14 month old son of Donald Begnoche of Test Equipment, Marshall Street.

## Sprodclo Inventory Control

by Peggy Brule

Hi, everyone! It's good to be back and reporting the news even though some of it may be a little belated. We won't be visiting you quite as often as we have in the past because the LOG schedule for this year is five regular issues and two National issues.

Bill Cone's daughter, Nadine, is five months old already.... We would like to announce the birth of a son, born a few months ago, to Mr. & Mrs. Gordon Brierley, and a daughter, Deborah, to Mr. & Mrs. Al Rysz.... David and Betty Hamer are the parents of a boy named Keith born in Arizona where David is a 2nd Lieutenant in the Air Force. David is the son of Millie and Carl Butler.

Those who went to the Office Union Banquet, the Christmas party, and to New York on the Sprague Excursion had a real good time.... Margaret Lasher's and Peggy Brule's daughters both received a diamond on the same day—September 7. Marilyn Lasher, a registered nurse, was married on February 8 to Dr. Willard Olmstead of Greene, New York. Janice Brule has chosen July 18 for her wedding day. She will marry Robert Duguay of Meadow Street.

We were very happy when Mike Demers, Fred Klein, a new sales engineer in our Boston office; John Gilbert, another new member who will be at our Concord operation; and Bob Trinkle, of Pennsylvania, visited us. Sadly missed was H. P. in Syracuse. Don't forget us next time, H.P. We will be looking forward to seeing you.... Belated birthday greetings to Nan Rousseau and Bob Burbank.

Most of us are planning to visit the World's Fair in New York in May.... In closing, we would like to mention that we hope everyone will feel better towards his fellow man after the tragic events which took place in Dallas, Texas on November 22, 1963.

## FP Assembly

by Grace McConnell

This is the season to remember our retired co-workers and take time to extend to them our best wishes for a joyous holiday season.... Many of our co-workers find this a busy season and like to take their vacations now. Among these are Hazel Russell, Anne Gentile, Millie and Jack Faustini, Violet Shea, Rita Cooper, and Blanche Nazzewski.

We offer our sympathy to Josie Czubyrt on the loss of her mother at this time.... The Christmas party was a huge success by all reports. It was held at the Fireside Restaurant in Cheshire on December 19. A grab bag was also held.... Many of our group went to the lunch room together on December 23 and were served a turkey dinner and held a grab bag drawing.... Rita Cooper was very happy to have her son home for the holidays. He is stationed in the Navy at San Antonio, Texas.



Another happy baby is little Laurie Jean Etman, granddaughter of Charles Etman, of the Boiler Room.

## Filter Small Orders

by Julia Desrosiers

Christmas season was sure busy. Everyone came back from lunch loaded with bundles. The knitting needles were kept pretty busy too. The sweaters, hats, tams, and mittens that the girls made were sure nice.... We are happy to have Violet McClelland and Leo Mullen back after their sick leaves.... A happy belated birthday to Harold Moreau who celebrated on November 12th.

Belated anniversary greetings to Mr. & Mrs. Clair Murphy who celebrated on November 1. Ethel and Clair spent a week in October in Chesuncook, Maine and had a very nice time at their camp.... Mr. & Mrs. Ralph Sherman spent a week-end in Long Island. Their grandchildren are sure cute. They all had a birthday party while Grandma and Grandpa were there. They went for a return visit at Christmas. Their little granddaughter is getting real big. Pam is already six months old.

We all hope Jeannette Konopka had a nice Christmas and New Year.... The best of luck also to Francis Dargie who was in the hospital.... We hope everyone had a nice Christmas and New Years. Loads of happiness and health to all.

## FP Ovens and Assembly

by Rose LeBeau

Happy New Year everyone! With the holiday rush behind us everyone has settled down to more serious business.... There were a few late vacations. They included Jerry Varuzzo, Austin Rogge, Ted Grogan, Pete Anderson and Joe Messina. I hope you all had a good time.

We would like to welcome Donata Jacobs to our Department and say 'hi' to Tillie Abusi who is on days and likes it very much.... Edith Fields has been sick. We hope she and Ellen LaFleche will soon be back to work.... We would like to extend our deepest sympathy to Jerry Varuzzo on the loss of his father.... I hope to have more news for you in the next issue.



Kathy and Richard Brayman, Jr. are the children of Sylvia Brayman of High Reliability, and Richard of Formation. Their grandmother is Albina Burdick of Filters, Marshall Street.

## Microelectronics

by Tillie Astorino

With the following notes we would like to introduce the Microelectronics Engineering Department which is a relatively new pilot plant production facility located in the Research Center at Marshall Street.... The attending members at the Office Union Banquet had a very good time. The food was excellent and very plentiful. It proved to be a happy occasion for all. Who's the special "hairedo" gal of our Department? She usually turns up for a gala event looking like Cleopatra.

Blanche Landry and Aime Thibert participated in the Heartwellville Lodge Mixed Doubles Bowling Tournament. Though they didn't fare in the money, they had a very good time trying.... Warren and Betty Berner have recently purchased and moved into a new home on Woodlawn Avenue. We wish them much happiness in their new venture.... Clara Belleau's son, Thomas, a junior at Notre Dame University at South Bend, Indiana was home for the holidays.

We would like to welcome Shirley Burnett and Clara Belleau back to our group.... Bob Ziaja took a vacation to go hunting and was successful in bringing his venison home.... Our office has been relocated to larger and more convenient quarters.... Clarke Andersen's wife, Anne, very effectively played the leading female role of Julia in the modern comedy, "Romulus", which was presented on December 12, 13, and 14 at Adams Memorial Theatre in Williamstown.

Our Research Center Christmas party was held on December 14 at the 1896 House in Williamstown.... Guess who's the department troubadour on the Clean Room intercom?... Many thanks to all our co-workers who contributed to make this column possible.... The best of everything to all our friends everywhere in the coming year.

"Keep an open mind, and something may drop in."

## Western Electric and Navy Office

by Betty Lavigne

Betty Lavigne attended the LOG 25th Anniversary Banquet in October held at the 1896 House, and had an enjoyable time.... Chuck Wilson, of Check Inspection, spent his winter vacation hunting. We're sorry you missed out, Chuck. Better luck next time!... Christmas has come and gone and Santa was good to us all.

I would like to wish everyone a joyous New Year and hope each one carries out their New Year's resolutions. We are playing it smart this year by not making any resolutions.... This is all the news I can report—hope to have more next time!

## Test Equipment

by Mary Cantoni

Did everyone hear the new theme song for the Test Equipment Department? It's "Rock-A-Bye-Baby". Six new babies have appeared in the months of November and December! Lucky parents include: Mr. & Mrs.



Mark Stephen and David Michael Blanchette (l to r) are the grandsons of Gert Bobowiec, Brown Street nurse. Their mother is the former Margaret Bobowiec. They make their home in Somerville, Mass.



Maurice LaFond who welcomed a new son, Keith Wilfred, on November 20; Mary Cantoni, whose granddaughter, Tracy Maria, arrived on November 22; Mr. & Mrs. Robert Janes, whose daughter, Mary Lou, was born on December 8; Mr. & Mrs. Anson Mason, who welcomed a daughter, Jamie Ellen, on December 19; Lillian Alexander who became a proud grandmother on December 21; and Mr. & Mrs. Donald Hatin whose daughter, Diana Lee, was born on December 26.

A spaghetti supper was given by Mary Cantoni on January 2 in honor of John Seacord. John has deserted his ship, Test Equipment, to join the Microelectronics Department. Good luck, John.... Our congratulations to Marvel McDonald who became the bride of Donald Monette on January 18.... Keep up the good work, Test Equipment. Our motto—More Babies for 1964!

## Shipping

by Cecile Trudeau

Philip Talarico's daughter, Chris, has returned to Skidmore College, Saratoga, New York, after spending the holidays at home.... Congratulations to Mr. & Mrs. Adrian Darling on the birth of a daughter, Michelle, on December 2nd.... June Rock has moved to South Church Street. How does it seem to drive to work instead of walking, June?

Stanley Pasierbiak went hunting on his vacation. Lucky, yes, he got a deer.... Dick Gotzens, June Rock and Emma Jobin also enjoyed vacations recently.... Ann Tremblay's sister and family spent a week-end here recently.... Alfred Bourdon is sporting a brand-new car—a beautiful Chevrolet Impala.... Mildred Waterman's daughter and family have returned to Greenwich, Connecticut after spending a few days visiting in North Adams.... Emma Jobin's son, Airman 3rd Class Peter 'Buzz' Jobin was home for Christmas week. He has been assigned to the Naval Air Station in Norfolk, Virginia after serving three years on the aircraft carrier, Enterprise.

Our Christmas party was held on December 12 at Taconic Park Restaurant in Williamstown. A grand time was had by all.... Ernest Gregory's wife is home after being hospitalized with a fractured ankle due to a fall. We are happy to hear that she is coming along nicely.... Hope that everyone had a nice Christmas and a very happy and prosperous New Year.

## New Arrivals

### NOVEMBER

29, Mr. & Mrs. Ronald Mendel, son

### DECEMBER

1, Mr. & Mrs. George Patterson, daughter

2, Mr. & Mrs. Adrian Darling, daughter

6, Mr. & Mrs. Walter Wood, daughter

7, Mr. & Mrs. Lawrence LaPlante,



This happy little cherub is Kathryn Anne Dellert, granddaughter of Joseph Roberts of the Stockroom.

- daughter  
7, Mr. & Mrs. Reno Maselli, daughter  
8, Mr. & Mrs. Robert Janes, daughter  
17, Mr. & Mrs. Robert Alibozek, son  
18, Mr. & Mrs. Kenneth Randall, daughter  
24, Mr. & Mrs. William Cullen, daughter  
26, Mr. & Mrs. Donald Hatin, daughter  
27, Mr. & Mrs. Vincent Tomaselli, son  
31, Mr. & Mrs. Reinhold Ott, son  
JANUARY  
3, Mr. & Mrs. Richard Churchill, son  
3, Mr. & Mrs. Ronald Cowell, daughter  
8, Mr. & Mrs. Walter Tatro, Jr., daughter

## 'LOG of the Air' To Continue In 1964

With the renewal of the contract between Sprague Electric Company and WMNB the Sprague LOG of the Air daily broadcasts will continue throughout 1964. The program is currently aired at 5:30 - 5:55 P.M. Monday through Friday.

It is planned that these programs will continue with informative and entertaining interviews between Al Nelson and Sprague employees. In addition, a new series of programs are being planned. The first of these will be eight broadcasts on our insurance programs. Beginning Wednesday, January 29, and continuing each Wednesday for eight weeks, informative talks will be given by Rudolph Praetz, Divisional Group Manager, Equitable Life Assurance Society of the United States; Dr. William G. Hecks, Corporate Medical Director; and Jennie Thompson, insurance recorder, Industrial Relations. Other related interviews will be heard with Kenneth Brown, Eastern Area Industrial Relations Manager, and David Cates, Assistant Industrial Relations Manager Eastern Area. Topics covered will include: a definition of insurance terms, our new improved benefits, how to file a claim, medical leaves of absence, life insurance, and terminal benefits.



GUESS WHO? Our only clue is that she now works in QAR.



GUESS WHO? She works in the Sales Office and her mother works in FP Assembly!

# Bennington and Vandalia News...

## Vandalia News

by Donna Matson & Edna Brown

Those courageous souls who ventured out on the highways during the holidays to visit families and friends living out of town were: Ed Dombrosky and family who traveled to St. Louis, Missouri; Jewell Kohler and family who went to West Virginia and Margaret Smith and family who went to Louisville, Kentucky.... Holiday festivities enjoyed by Vandalia Spragueites included a cocktail party held on Friday, December 20 at the Imperial House in Dayton.

The following employees received 5-year pins at that time: Robert Purple, Assistant Manager; Omer Bruns, Filter Engineering Specialist; Jim Richards, Materials & Cost Coordinator; Gerd Henneberg, Production Supervisor; and John Erikson, Quality Control Supervisor.... On Tuesday, December 24, the employees were treated to a "delicious dinner" at the Crossroads Restaurant. Thanks to the Recreation Committee for their idea and terrific menu.

Who's sporting all the smiles these gloomy winter days—and why? It seems that two of our employees are driving very good reasons, and another's new addition is on wheels but is stationary at present. Jim Richards is the proud owner of a '64 Chevelle and Jim Hess has a '64 Ford Galaxie 500. Lillian Behrens is the owner of a new home on wheels. Pretty good reasons, wouldn't you say!

We want to welcome back our Industrial Relations secretary, Susan Russell, and also want to compliment her replacement, Ella Ritchson, on a job well done. We hate to see Ella go, but since she is staying in the family we will allow it! She's going to be working as a stenographer in the Dayton Sales Office. Good luck in your new position, Ella.

We wish to extend our best wishes for a speedy recovery to Janet Brown who underwent surgery on December 31.... Celebrating birthdays during January are the following: 8th, Vivian Elkins; 10th, Jewell Kohler and Jim Upton; 14th Donna Matson; 15th Bernie Kuhse; 19th, Omer Bruns; 25th, John Erikson; and 29th, Jim Richards. In February we have Bob Jenks on the 2nd and Mitchell Russell on the 16th.... Dixie and Harry Lee celebrated their first wedding anniversary on December 29. Susan and Duane Russell celebrated their 1st on February 2, and Joyce and Paul Tucker celebrated their fourth on February 9.

All of us here wish all of our friends in "Spragueland" only the best in 1964.

## Bennington News Depts. 743 and 741

by Joan Myers

I would like to welcome all the new people who have come to us since our last issue. In this department we have four new girls. They are Marilyn Cymbalak, Doris Kinney, Lorraine Surdam and Mary Ann Hanson.... On the third floor we have two new technicians. They are Bill Sumigray and Mike Ouellette.... Doris Farrar, the Instrument Department's new secretary, completes the trio.

We are all delighted to have our sparkling new mother back in Industrial Relations. Motherhood certainly more than agrees with you, Rhoda. Bud and Rhoda Mattison's new baby is named Stephen, and he couldn't have happened to two nicer people.... We all regret the loss of Teresa Brott who filled in for Rhoda while she was on leave of absence. If only Industrial Relations needed two girls! Best of luck to you, Teresa, in whatever you do. You truly are missed.

Congratulations to Katy Watts.



Katy Watts is the happy recipient of a Suggestion Award check presented by her foreman, Henry Ellsworth.



Also a Suggestion Award winner is Norma Ratz who was presented her check by her foreman, Don Raina.

She picked up a little extra cash in the way of a suggestion award. Katy is pictured in this issue with Henry Ellsworth, her foreman. It pays to think!... It's good to hear that Lucy VanOrman's son-in-law is recuperating from his illness.

Passing thoughts: Who had his car washed and couldn't open the trunk for several days? It wouldn't have been so annoying but for the Christmas presents that were frozen inside. (Bob)... What Check Inspector finds it rather 'shocking' working in the Lab? (Florence)... Did you ever see anyone so happy the day after an Auxiliary Party as Bea?... Rita always seems to be on the other side of the fence (in the Potting area) and likes it that way.... Phil has a new motto: "Have shotgun. Will travel!" Phil got his deer this year.

You can't say we aren't celebrating your birthday this year Doris Bourgeois. The entire work force is having a holiday, too—February 22.... See you next issue.

The following poem was written by Jane Moffitt and published in the Bennington Banner as a tribute to the late President, John F. Kennedy.

## "THE LIGHT"

I wonder when the light went out,  
If it has shone in vain?  
Or if the man that fired the gun,  
Can realize the pain  
That all our people feel today,  
Or even, was he sane?

Did he die because he said:  
"All men should be free,  
The Negro is our equal,  
With Communism we don't agree?"  
Or was it because he trusted man,  
He tried to bridge the span  
Between the East and the West,  
He faced his problems, never ran?

It could be also what he said  
That filled our hearts with glee:  
"Ask not what your country can do  
for you,  
Ask what you can do for your  
country."

Would he have died if no one  
Who lives in this great land,  
Had listened to the seeds of hate,  
Which other philosophies have planned?

But as a leader he went his way,  
Smiling to the end.  
And now we must realize  
That we have lost a friend.

## Dept. 744

by Mary Sleeman

Well, here we are again. After our brief vacation things have changed a little. We are a department again and we would like to welcome Faye Rousseau, Eleanor Tracy, and Barb-

ara Eddy.... Christmas has come and gone and we are starting a new year—hoping for a prosperous one, too!... Audrey Foucher is so proud of her new grandson. A real carrot top.

Comments heard in Dept. 744:  
Peggy Bishop—"How about some of your energy?"

Barbara Eddy and Norma Ratz—"Stop clicking your gum!"

Eleanor Tracy—"Who wants a doughnut today?"

Gary Sweet—"We want a tray."

Ruth Lasher—"Please check my work."

Barbara LeBlanc—"Where did you get that cute skirt?"

Jeannette Burke—"Sleep over again, Jen?"

Faye Rousseau—"Gee, this board is hard."

Nellie Danforth—"Did you tape those boards?"

Mary Sleeman—"Don, what's the rate on these?"

Ray Collier—"Ray, you were sick when you timed this job."

We in Department 744 would like to take this space to say good-bye to Teresa Brott and tell her we will miss her and her pleasant smile. Come and see us sometime.... Well, so long for now!

Wow! LOG time is here again and Yours Truly got caught with no news. After some frantic snooping I was surprised to discover quite a lot has been going on around here lately.... We have several new additions to welcome to the fold. Doris Farrar replaced Bev Senecal as maid-of-all-work to the engineers.... Bill Ryan has joined us temporarily from North Adams.... Mike Ouellette and Bill Sumigray are adding new talent to the 3rd floor.... And a glad welcome back to Rhoda Mattison who has returned to Industrial Relations after a maternity leave.... It's also good to see Ray Dickinson and John Gardner around again.

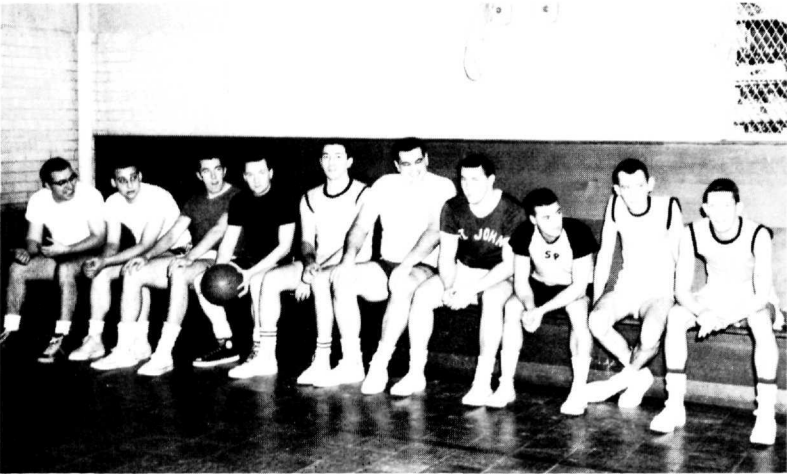
Congratulations to little Stephen Mattison for choosing such nice parents as Rhoda and Bud.... Best wishes to Mr. & Mrs. Harold Babcock on the arrival of little Kurt.... Everyone was very sorry to say 'good-bye' to Teresa Brott who filled in temporarily for Rhoda in Industrial Relations. Teresa is a real sweet gal who did a terrific job as replacement. Our very best wishes go with her.

Terry Coughlin has been transferred to Union Street. We miss his sense of humor. A combination dinner and bowling party was held in his honor with fun for all.... We are all very proud of Norma Ratz who is pictured in this issue receiving a suggestion award check from her foreman, Don Raina. Good girl, Norma. Keep them coming.



SPORTS: SOFTBALL GOLF

by ROGER DELISLE BOWLING



The Greylock School gym has been a beehive of activity on Tuesday nights as the Sprague Basketball League conducts its program of two games each week. Shown above are members of the Combine team as they gathered prior to a game. From left to right they are: Al Roy, Charlie Sears, Tom McAndrews, Howie Donovan, Ernie Urfer, Mal Picard, Paul Horbal, Bob McDonough, Paul Sartoris and Tom Petro.

First Half Final Standings - Ten Pins

Girls' Ten Pin League		Q.C.T. 25 - 43	
Nicolettes	111 - 25	*Winner of first half	
Sprague Keys	104 - 32	High average, Frank Raby - 178;	
R & E	102 - 34	High triple, Frank Raby - 640; High	
Seven Ups	88 - 48	single, Roald Magnussen - 255.	
Filterettes	82 - 54		
Kingpins	71 - 65		
Metal Clad	70 - 66		
Corporettes	70 - 66		
QAR	68 - 68		
IBM	63 - 73		
Clorettes	60 - 76		
Ten Pins	55 - 81		
Fabmika	54 - 82		
Leftovers	54 - 82		
Magnetics	50 - 86		
Tantalum	46 - 90		
Alley-Kats	44 - 92		
Mix Ups	32 - 104		
High triple, Marge Cutler - 592;		High average, Bill Burdick, John	
High Single, Annie Davison - 253;		Cummings, Bob Genesi - 176; High	
High average, Janice Rice - 167.		triple, Dick Rosen - 651; High single,	
		Ron Cowell - 268.	

Men's Independent League		Sprague Products	
SPD*	45 - 23	Skybolts	41 - 23
Western Elec.	40 - 28	Punchers	40 - 24
Autonetics	38 - 30	Pinbusters	37½ - 26½
Control Lab	36 - 32	Promoters	32 - 32
Instrument Oper.	34 - 34	Jokers	30 - 34
Beaver Machine	34 - 34	Skylines	27½ - 36½
Plating	33 - 35	Smashers	27 - 37
B.S.E.	31½ - 36½	Retail Sales	20 - 44
Methods	31½ - 36½	High average, Joe Davis - 176;	
Shipping	30 - 38	High triple, Joe Davis - 657; High	
Electric Shop	30 - 38	single, Bob Genesi - 257.	

Golf League Application

The 1964 Tuesday evening Golf League will start in May. All Employees interested in playing in the League must indicate on the application below whether they wish to play as a regular or as an alternate, and return the application to Cal Walker, Research Center, Marshall Street. All new members will have to be added to the alternate list due to the present large membership of regular team members.

Name.....Plant.....

Regular.....Alternate.....Phone Number.....

Mail Application to: Cal Walker, Research Center, Marshall Street.

Men's Candlepin 1st Half Standings

There has been some real good bowling in the Men's Candlepin League at Valley Park this winter with no less than 15 men maintaining averages of 100 or better. Harry Saunders is leading the way with an average of better than 109.

Tantalum	49 - 15
Wave Filters	48 - 16
West. Elec.	47 - 17
R & E	44 - 20
Combine	39 - 25
Untouchables	32 - 32
Ind. Oils	29 - 35
Sheet Metal	27 - 37
Paint Shop	27 - 37
Sandia	27 - 37
KVA	10 - 54
Pipe Shop	7 - 58

High single, Harry Saunders - 147; High triple, Harry Saunders - 372; High averages, Harry Saunders - 109; Bill Saunders - 104; Ed Meczywor - 103; Frank Fortini - 103.

Girls' Candlepins

The Girls Candlepin League recently completed the first half with Fay's Team edging out Navy QAR by 3 points. Top average is maintained by Ceil Kudla who is knocking down the pins at a 97.0 average.

FINAL 1ST HALF STANDINGS

Fay's Team	86 - 26
Navy QAR	83 - 29
West. Elec.	73 - 39
Spacettes	72 - 40
Tomatoes	59 - 53
Joettes	29 - 83
Jets	26 - 86
Marsh-Mellows	20 - 92

High triple, Ceil Kudla - 318; High single, Shirley Ponti - 129; High Average, Ceil Kudla - 97; Shirley Ponti - 93; Roma Johnson - 90.

RECENT RETIREES . . .

MERTIE A. BISHOP, of Clorinol Final Assembly, retired on December 1, 1963 after 13½ years of service.

ARTHUR BEAUCHAMP, of Ceramics, retired on December 31 after 7 years with the Company.

ROSE FAVREAU, of Clorinol Final Assembly, retired on December 31 after 13 years of service.

GEORGE GRAZIOLA, of High Quality, retired at the end of the year after 11 years with the Company.

MARGARET GUYETTE, of FP Assembly, retired on December 31 after 11 years with Sprague Electric.

ROSE C. LANCTO, of High Reliability, retired on December 31 after 19 years of service.

WILFORD W. SPARROW, Watchman, retired on December 31 after 19 years with Sprague Electric.

Suggestion Awards

(Continued from page 1)

who devised an improved method of discharging and cleaning units.

In the \$25.00 award category two Marshall Street employees submitted winning ideas. Corinne Sears, of Tantalum, suggested the addition of a clock to the rolling machine to count turns accurately. Edward Gagne, of Miscellaneous Assembly and Parts Preparation, received his award for an improved method of painting units.

During 1963 a total of \$5,380.00 was paid to 59 employees who submitted accepted suggestions. This was considerably higher than the \$3,073.00 total awarded in 1962. With continued active participation by all Sprague employees our total awards for 1964 could climb to an even higher figure.

Mr. Sprague's Forecast

(Continued from page 1)

likely will increase gradually, reflecting the demands of new military technologies and the large electronic content of the space programs. Emphasis will be on further miniaturization, reduced maintenance and improved reliability in tactical weapons systems, and on improved guidance and command and control systems for strategic use.

Turning now to the consumer field, our industry's sales showed a modest gain last year to \$2.5 billion compared to \$2.4 billion in 1962. In television, approximately 6,930,000 black and white sets were produced against 6,471,000 the previous year, and although accurate figures are not yet available, it appears that production of color sets approached 700,000 compared to about 400,000 in 1962. Thus, total set production was close to 7,500,000 sets, to which must be added some 450,000 imported sets for total sales in excess of 8,000,000 television sets. This figure exceeds the previous peak of 7,422,000 sets in 1955. However, United States set production of 7,500,000 was held below the 1955 figure of 7,757,000 by a dramatic increase in television imports, from 128,000 in 1962 to some 450,000.

Radio production amounted to some 18,325,000 sets. Home sets were off nearly 15%, from 11,912,000 to approximately 10,200,000, while auto radio production increased from 7,250,000 to about 8,130,000 reflecting the high level of automobile output. In addition, some 14 million home radios were imported from abroad, compared to 13,300,000 the previous year. When these are added to the domestic production figures, it can be seen that total home radio demand at 24,000,000 sets is running well above the previous all-time peak of 20,000,000 in 1947, but that American industry produced only 60% as many sets as in 1947. This is certainly a graphic illustration of the seriousness of the problem of foreign competition confronting our industry.

Next to military and space electronics, the fastest growing segment for our industry has been industrial electronics, which registered another 10% gain in 1963 as it had in 1962, going from \$2.45 billion to \$2.7 billion. The most rapidly growing segment of this market continues to be computers and data processing equipment, the value of which rose to about \$1.1 billion from \$985 million in 1962. One of the smaller segments of this market, industrial control and processing equipment at about \$210 million, is expected to grow more rapidly in the future than it has in the past as electronic techniques find increasing application. Currently electronics represent only about 8-10% of the total market for industrial control equipment. Also likely to enjoy above average growth in the future are electronic navigational aids, amounting currently to about \$290 million per year and expected to increase to about \$600 million by 1972.

In the components business, 1963 was a disappointing year in which

R. F. Graf

(Continued from page 2)

Mr. Graf is presently working on a fifth book which will be a reference book of electronic tables and formulae for use by practicing engineers, technicians and students. It will be published by the end of 1964.

Besides his books Mr. Graf has written over 40 articles which have appeared in technical journals and other electronic and scientific publications.

He received his electrical engineering degree from the Polytechnic Institute of Brooklyn and an MBA degree from the Business School of New York University.

volume failed to increase in line with the increase in end equipment production. Total components sales at \$3.9 billion were only a little over 2% above the \$3.65 billion figure for 1962. Shipments of receiving tubes declined 6% to \$580 million while semi-conductors remained approximately unchanged at \$585 million. The same was true for passive components, such as capacitors, resistors and inductors, which totaled approximately \$900 million against \$897 million in the previous year. With respect to military procurement, new orders suffered during much of the year from the program reviews, intensive cost analyses, and changes in contracting procedures adopted by the defense establishment, all of which contributed to a slowdown in the placement of component orders. There is some reason to believe that this log jam will be broken in the coming months, but the exact timing of a recovery of components purchases to a level more compatible with spending planned for the 1964 and 1965 fiscal year is still uncertain.

One area which is seeing substantial increases is the integral circuit package field. In 1963, production of such complex components as filter, R-C networks and functional assemblies amounted to about \$114 million, compared to \$103 million in 1962, and the embryonic production of microelectronic circuits, both semiconductor and thin film, amounted to about \$22 million compared to \$6 million. Microcircuit production is expected to exceed \$50 million in 1964, and complex components \$135 million.

Taken together, all segments of our industry should enjoy a further increase of about \$1 billion in 1964 to something over \$16 billion. However, the twin problems of uncertainty concerning near term levels of military and space procurement, and the continuing trend of increasing competition from abroad will remain with us. I believe it is entirely possible that the year will start off rather slow with respect to defense procurement, with the probability of considerable acceleration in the second half.

Rice and Rohane

(Continued from page 2)

capacitors. The patented seal is produced by a two-step method—first a crimping operation that produces intimate contact between the tubulation and the lead-wire over an extended area and also heats the compressed portion to melt the tin coatings that are usually present.

The second step of the process is the forceful displacement of the molten tin and the further crimping of the tubulation onto the lead-wire to produce a base-metal to base-metal contact. The patented seal does not depend on solder, so that any subsequent heating of the capacitor above the melting point of the solder can not open the seal.

Mr. Rice is a native of Ancon, Panama Canal Zone and graduated from Gettysburg College in 1939 with a degree in electrical engineering. Following graduation he worked for various aircraft companies and in 1945 entered the U.S. Navy. He joined Sprague Electric in December 1948 in the Research and Engineering Department and has held several different positions in that area.

Mr. Rohane is a native of North Adams and graduated from Drury High School in 1930. Following graduation he was employed at the North Adams Country Club and in 1933 joined Sprague Electric in a production capacity. He was made a supervisor in 1940 and in 1942 was promoted to foreman. In 1949 he was named general foreman, and later in the year, superintendent, the position which he still holds.

SPRAGUE

LOG

SPRAGUE ELECTRIC COMPANY EASTERN LOCATIONS

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